Medical
Direct

CONTENTS OF VOLUME 43

ORIGINAL ARTICLES

Wide Field Roentgen Therapy	*S. Gilbert Scott, M.R.C.S., L.R.C.P., F.F.R., D.M.R.E. (Camb.)*	1
The Combined Roentgen and Radium Treatment of Carcinoma of the Cervix	*Richard Dresser, M.D.* *Joe Vincent Meigs, M.D.* *J. C. Rude, M.D.*	17
The Roentgen Diagnosis and Therapy of Retropharyngeal Adenitis	*R. Rhett Rathbone, M.D.*	25
Roentgen Diagnosis of Dermoid Cysts of the Ovary in the Absence of Calicification	*Samuel A. Robins, M.D.* *George White, M.D.*	30
Calcification of the Pericardium	*William G. Leaman, M.D.* *Jacob H. Vastine, 2nd, M.D.*	35
Silicosis and Tuberculosis Roentgenologically Simulating a Neoplasm	*Ernst A. Pohle, M.D., Ph.D.* *Gorton Ritchie, M.D.*	42
Fluorography	*I. Seth Hirsch, M.D.*	45
Osteofibroma of the Cranium	*Charles Wadsworth Schwartz, M.D.*	53
The Effect of Peptic Ulcer in Cholecystography	*Maurice Feldman, M.D.*	58
Gastric Neurinoma	*Hyman R. Senturia, M.D.*	61
Congenital Synostosis of the Cervicothoracic Vertebrae	*A. M. Rechtman, M.D.* *M. Thomas Horwitz, M.D.*	66
Osteopetrosis Associated with Hodgkin's Disease	*Harry Herscher, M.D.* *Justin J. Stein, M.D.*	74
Studies of Human Nervous and Related Tissue by the Roentgen-Ray Diffraction Method and the Petrographic Microscope	*Lawrence Reynolds, M.D.* *K. E. Corrigan, Ph.D.* *Henrietta Hayden, Ph.D.*	81
Some Effects of Roentgen Rays on Saccharomyces cerevisiae	*P. S. Henshaw* *H. Turkowitz*	93
The Production of Radioactive Substances and Neutron Rays	*Franz N. D. Kurie*	107
Roentgen Measurement of the Obstetrical Conjugate of the Pelvic Inlet	*Paul C. Hodges, Ph.D., M.D.* *Jane E. Hamilton, M.S.* *Jed W. Pearson, Jr., M.D.*	127
A Simple Technique and New Instrument for Rapid Roentgen Pelvimetry	*William Snow, M.D.* *Frederic Lewis, M.D.*	132
The Book-Shelf Stereoscope	*J. J. Singer, M.D.*	138
The Fluororoentgenograph	*Franz J. Lust, M.D.*	141
Tuberculous Tracheobronchitis: Roentgen Pathology	*Carleton B. Peirce, M.D.* *Francis C. Curtzwiler, M.D.*	153
Roentgen Aspects of the Upper Retro-esophageal Pulmonary Borders	*Herbert C. Maier, M.D., Med., Sc.D.*	168
An Anatomical, Pathological and Roentgenological Study of the Intervertebral Joints of the Lumbar Spine and of the Sacroiliac Joints	*Thomas Horwitz, M.D.* *R. Manges Smith, M.D.*	173
Diagnostic Problems in Surgery of the Upper Urinary Tract	*Maurice Muschat, M.D., F.A.C.S.*	187
Gastroduodeno-colic Fistula: Carcinoma of Transverse Colon	*Maximilian J. Hubeny, M.D., F.A.C.R., F.A.C.P.* *Percy J. Delano, M.D.*	198
Microtia and Congenital Atresia of the External Auditory Canal	*John D. Camp, M.D.* *E. Peter Allen, M.B.(N.Z.), D.M.R.*	201
Roentgenological and Pathological Considerations of Ewing's Tumor of Bone	*J. Marshall Neely, M.D.* *F. T. Rogers, M.D.*	204
Quiescent Interval and Bone Metastases in Lymphosarcoma	*Claude Moore, M.D.* *G. Louis Weller, Jr., M.D.*	211
Intracranial Complications Following Irradiation for Carcinoma of the Scalp	*Eugene P. Pendergrass* *Philip J. Hodes* *Robert A. Groff*	214

Week Radium Needle Technique in Carcinoma of the Cheek	*Charles L. Martin, E.E., M.D., F.A.C.R.*	226
The Relation of Meal Temperature to Gastric Motility and Secretion	*J. Gershon-Cohen, M.D.* *Harry Shay, M.D.* *S. S. Fels*	237
Vitamin B_1 in Irradiation Sickness	*Allison E. Imler, B.S., M.D.* *Hoke Wammock, M.D.*	243
Effects of Roentgen Irradiation upon the Blood Vessels of Repair Tissue and the Brown-Pearce Rabbit Epithelioma	*Vincent Downing, B.S.* *Francis W. Bishop, M.S.* *Stafford L. Warren, M.D.*	249
The Effect of Roentgen Rays upon Bacteriophage. Studies in Bacterial Metabolism. CXI	*Arthur I. Kendall* *Charlotte A. Colwell*	262
Chemical Structure and Its Relation to Growth and Development	*Frederick S. Hammett, Ph.D.*	266
Radiation Mutation and the Gene	*P. W. Whiting*	271
The Biology of the Cancer Cell	*Stanley P. Riemann*	275
An Intranasal Cone for the Chaoul Apparatus	*Lester Hollander, M.D.* *Joseph M. Shelton, M.D.*	295
Correlation of Postmortem Chest Teleroentgenograms with Autopsy Findings	*Aubrey O. Hampton* *Benjamin Castleman*	305
Cystic Bronchiectasis	*David Reisner, M.D.* *I. G. Tchertkoff, M.D.*	327
Ventriculographic Localization of Intracranial Tumors	*Vincent C. Johnson, M.D.* *Carl F. List, M.D.*	346
The Incidence of Hyperostosis Frontalis Interna in Female Patients	*W. W. Eldridge, M.D.* *George A. Holm, M.D.*	356
Persistent Fibrin Body	*Arthur Rest, B.Sc., M.D.*	360
Carcinoma as a Complication of Achalasia of the Cardia	*Karl Kornblum, M.D.* *Lawrence C. Fisher, M.D.*	364
Spontaneous Pneumoperitoneum without Demonstrable Visceral Perforation	*Charles L. Hinkel, M.D.*	377
Carcinoma of the Jejunum	*J. H. Harris, M.D.* *J. E. Green, M.D.*	383
Saccular Abdominal Aortic Aneurysm	*M. J. Hubeny, M.D.* *Simon Pollack, M.D.*	385
Normal Variation in the Gastrointestinal Response of Healthy Children	*Icie G. Macy, Ph.D.* *Lawrence Reynolds, M.D.* *Helen J. Souders, M.S.* *Mary B. Olson, M.S.*	394
The League of Nations' Work on a Uniform Presentation of the Results of Radiation Therapy in Uterine Cancer	*J. Heyman, M.D.*	404
The Treatment of Infected Hemangiomata	*Ernst A. Pohle, M.D., Ph.D.*	408
Arthritis and Para-arthritis Treated with the Roentgen Ray	*Tobias B. Weinberg, M.D.*	416
Roentgen Therapy of Bilateral Parotid Fistula	*Robert J. Reeves, M.D.*	425
Peripheral Nerve Destruction: An Unusual Sequel of Radium Therapy	*Irving N. Holtzman, M.D.* *William E. Howes, M.D.*	426
The Use of the Cathode-Ray Oscillograph for Measuring Roentgen Tube Voltage	*Charles Weyl* *S. Reid Warren, Jr.* *D. B. O'Neill*	428
Simple Method for Roentgenography of the Optic Canal	*M. Morris Wittenberg*	452
Bronchiogenic Carcinoma	*Lloyd F. Craver, M.D.*	469
Metastatic Neoplasms	*J. W. Turner, M.D.* *H. L. Jaffe, M.D.*	479
Tomographic Study of Cancer of the Larynx	*Felix Leborgne, M.D.*	493

The Value of Nitrites in Cardiospasm (Achalasia of the Esophagus)	*Max Ritvo, M.D.* *Eugene J. McDonald, M.D.*	500
Charcot's Arthropathy of Both Ankles	*S. A. Leader, M.D.*	509
Traumatic Pneumocranium	*Robert P. Barden, M.D., D.Sc.(Med.)*	514
The Gastrointestinal Response of Average, Healthy Children to Test Meals of Barium in Milk, Cream, Meat and Carbohydrate Media	*Lawrence Reynolds, M.D.* *Icie G. Macy, Ph.D.* *Helen Hunscher, Ph.D.* *Mary B. Olson, M.S.*	517
Effect of Injections of Distilled Water on the Growth of Irradiated Mouse Sarcoma 180	*Kanematsu Sugiura, D.M.Sc.*	533
Effect of Radiation on Normal and Metastatic Lymph Nodes	*Fred J. Taussig, M.D.*	539
Radium Treatment of Carcinoma of the Cervical Stump	*Robert E. Fricke, M.D.* *Harry H. Bowling, M.D.*	544
Irradiation of Carcinoma of the Cervix Uteri in Pregnancy	*Abraham Strauss, M.D.*	552
A Further Report on the Radium Treatment of Carcinoma of the Cervix Uteri	*H. C. Pitts, M.D.* *G. W. Waterman, M.D.*	567
Treatment of Polycythemia Vera by Roentgen Irradiation of the Entire Body	*J. W. Pierson, M.D.* *C. D. Smith, M.D.*	577
Osteomyelitis of the Occipital Bone Complicating the Roentgen Treatment of a Nasopharyngeal Lymphosarcoma	*Henry Potozky, M.D.* *Jacob R. Freid, M.D.*	584
Exanthem Complicating Neoplastic Disease	*Leo Loewe, M.D.* *Mortimer R. Camel, M.D.*	587
A New Film Envelope with Accessory Transparent Enclosure for Roentgenologic Reports	*W. W. Fray, M.D., M.S.* *La V. L. Nolan*	613
Roentgenologic Demonstration of Bladder Pathology	*J. Sydney Ritter, M.D.* *Leo A. Shifrin, M.D.*	617
Malignant Tumors of the Kidney in Adults	*Carl L. Gillies, M.D.*	629
Anomalies of the Urinary Tract	*William J. Baker, M.D.*	636
Ureteral Obstruction	*B. H. Nichols, M.D.*	649
Pyelovenous Backflow	*Walter L. Kilby, M.D.*	659
Lateral Pyelography	*E. L. Shiflett, M.D.* *D. Y. Keith, M.D.*	664
Calculus in a Urachus	*George M. Wyatt, M.D.* *Thomas H. Lanman, M.D.*	673
Pulmonary Lesions after Roentgen and Radium Irradiation	*Rolf Bull Engelstad*	676
Radiation Reaction in the Lung	*Shields Warren, M.D.* *Jack Spencer, M.D.*	682
Primary Lymphosarcoma of the Hard Palate	*Lester J. Freedman, M.D.*	702
Carcinoma of the Anus	*Orville N. Meland, M.D.*	706
Surface Applications of Radon in Rectal Cancer	*George E. Binkley, M.B.(Tor.)*	711
Carcinoma of the Colon (exclusive of the Rectum)	*William M. Shedden, M.D.* *Richard Dresser, M.D.*	715
Cathode Rays for Radiation Therapy	*J. G. Trump, Sc.D.* *R. J. Van de Graaff, Ph.D.* *R. W. Cloud, S.M.*	728
A Comparative Roentgen-Ray Diffraction Study of Several Natural Apatites and the Apatite-like Constituent of Bone and Tooth Substance	*William F. Bale, Ph.D.*	735
A Method for the Preparation of Radon Ointment	*Lester J. Perlman*	780
Clinical Consideration of the Stomach	*Grant H. Laing, M.D.*	805
Forms of Ulcerative Colitis	*H. M. Weber, M.D.* *J. A. Bargen, M.D.*	809

The Surgical Treatment of Ulcerating Gastric Lesions	*W. Walters, M.D.*	819
The Differential Diagnosis of Pyloric and Prepyloric Ulceration	*Howard P. Doub, M.D.*	826
Syphilis of the Stomach	*Clarence N. McPeak, M.D.*	832
Aneurysms of the Ascending Aorta, Aortic Arch and Innominate Artery	*Charles F. Nichols, M.D.* *Herman W. Ostrum, M.D.* *Bernard P. Widmann, M.D.*	845
The Roentgenologic Demonstration of the True Articular Space	*William A. Evans, Jr.*	860
Osteochondritis Dissecans	*C. Liebman, M.D.* *R. M. Iseman, M.D.*	865
Irradiation of the Long Bones for Gynecologic Bleeding	*John S. Bouslog, M.D.* *John E. Evans, M.D.*	871
Post-irradiation Changes in the Lungs and Thorax	*Jacob R. Fried, M.D.* *Henry Goldberg, M.D.*	877
The Effect of Visible Light on the Development of Tumors Induced by Benzpyrene in the Skin of Mice	*John J. Morton* *Ethel M. Luce-Clausen* *Earle B. Mahoney*	896
Further Studies on the Action of Roentgen Rays of the Gametes of *Arbacia punctulata*. I. Delay in Cell Division Caused by Exposure of Sperm to Roentgen Rays	*P. S. Henshaw, Ph.D.*	899
Further Studies on the Action of Roentgen Rays of the Gametes of *Arbacia punctulata*. II. Modification of the Mitotic Time Schedule in the Eggs by Exposure of the Gametes	*P. S. Henshaw, Ph.D.*	907
Further Studies on the Action of Roentgen Rays of the Gametes of *Arbacia punctulata*. III. Fixation of Roentgen-Ray Effect by Fertilization in *Arbacia* Eggs	*P. S. Henshaw, Ph.D.*	913
Further Studies on the Action of Roentgen Rays on the Gametes of *Arbacia punctulata*. IV. Changes in Radiosensitivity During the First Cleavage Cycle	*P. S. Henshaw, Ph.D.* *Irving Cohen*	917
Further Studies on the Action of Roentgen Rays on the Gametes of *Arbacia punctulata*. V. The Influence of Low Temperature on Recovery from Roentgen-Ray Effects in the Eggs	*P. S. Henshaw, Ph.D.*	921
Further Studies on the Action of Roentgen Rays on the Gametes of *Arbacia punctulata*. VI. Production of Multipolar Cleavage in the Eggs by Exposure of the Gametes to Roentgen Rays	*P. S. Henshaw, Ph.D.*	923
A Simplified Geiger-Müller Counter Tube Circuit	*Van A. Olde, M.D.*	942